

## EXHIBIT 3



**MCF-7 Cell Caspase-3 Gene 47 bp Deletion Restored by Human Genomic DNA Fragments.** **Top Panel:** Electrophoresis of amplification products of 47 bp caspase 3 deletion region DNA from MCF-7 cells on 10% polyacrylamide using primers A1 and A2, stained with ethidium bromide. Lane 1, DNA from chromatin of intact MCF-7 cells; Lanes 2 and 3, DNA from chromatin intact MCF-7 cells cultivated in medium containing 0.3 mg/ml human placenta DNA for 5 and 40 days, respectively. Lane 4, DNA from human placenta. Lane 5, DNA fragments with known molecular weight. **Lower Panel:** Lane 1, Apoptotic chromatin fragmentation induced in control, lane 2, and genomic DNA treated, lane 3, MCF-7 cells after induction of apoptosis by incubation with TNF-alpha.